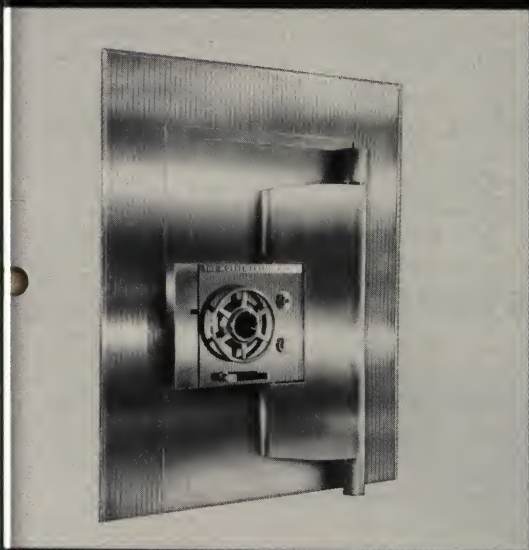


Mosler

SAFES AND VAULTS

Since 1848

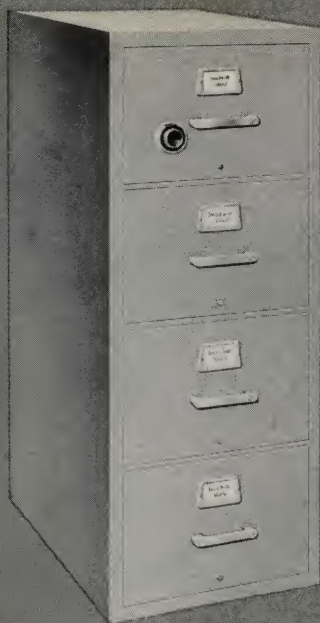


23b
Mos

The
Mosler
Safe
Company

WORLD'S LARGEST BUILDERS

OF SAFES AND BANK VAULTS



MOSLER INSULATED FILE

Mosler Insulated Files bring an entirely new dimension to record keeping — real fire-stopping protection for valuable papers. There's a world of difference between these and ordinary files. In the latter, heat alone can turn valuable papers to ashes. By contrast, Mosler's unique inner-wall insulation keeps papers safe even when temperatures reach 1700°F!

Handsomely styled by Henry Dreyfuss, Mosler Insulated Files come in 2, 3 and 4-drawer models. Quality features . . . roller-drawer suspension, push-button drawer latches, and interchangeable key or combination locks. These, plus their ability to protect against loss by fire, make Mosler Insulated Files a low-cost investment that pays high dividends in office efficiency and record security.



MOSLER FIRE-RESISTIVE VAULT DOORS AND FILE STORAGE ROOM DOORS

Now available in decorator compatible colors. Mosler standard mist green, standard tan and standard gray without additional cost.

INSURANCE SAVINGS

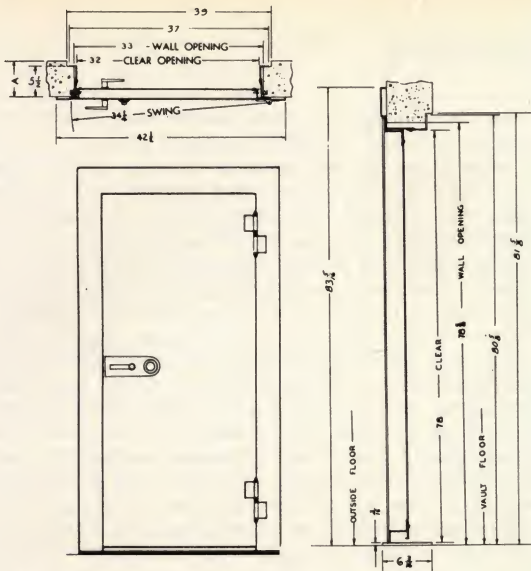
Mosler flat sill vault doors and file storage room doors come under the "B" classification of equipment for Mercantile Burglary Insurance.

A further discount of 10% is earned by the Underwriters' Laboratories, Inc. relocking device for its resistance to attack with mechanical tools, and oxyacetylene torch when used in an attempt to punch or burn out the lock. Under the Broad Form of insurance for Money and Securities these doors qualify for the "Fireproof" rating.

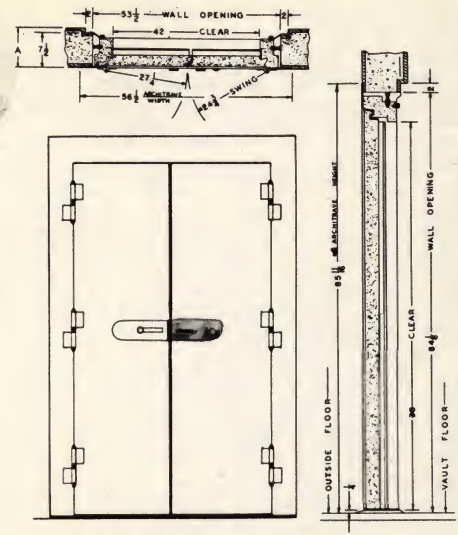
ADVANTAGES

1. Doors are clamped into openings from inside the vault (see diagrams). Concrete grouting is eliminated. Doors can be grouted if desired.
2. Time required for installation is greatly reduced.
3. Installation costs are greatly reduced.
4. Available to open either to right (R), or left (L) as specified.
5. Possibility of soiling finish, from splashing grout or subsequent plastering, is eliminated.
6. Door alignment can be adjusted at any time as it is not grouted in permanently. This adjustment is often necessary due to settling of vault walls or building.
7. Doors can be easily removed at any time by releasing flanged clamp plates from inside.
8. Doors can be installed in finished walls without the necessity of refinishing walls around doors.
9. Back flanges to fit up to 12" wall thickness available on request for 2, 4 and 6 hour doors.
10. Combination lock may be provided with key locking knob for dual control and additional security on all vault doors.

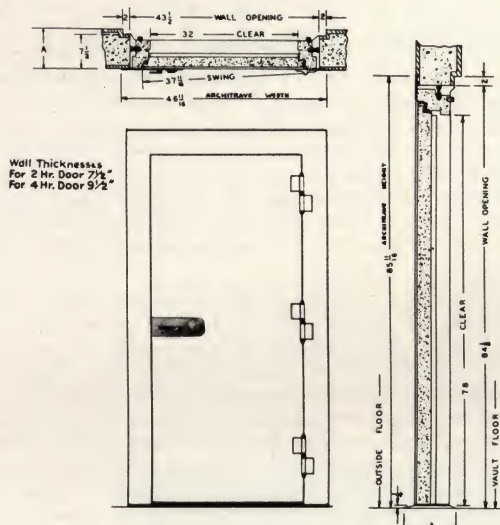




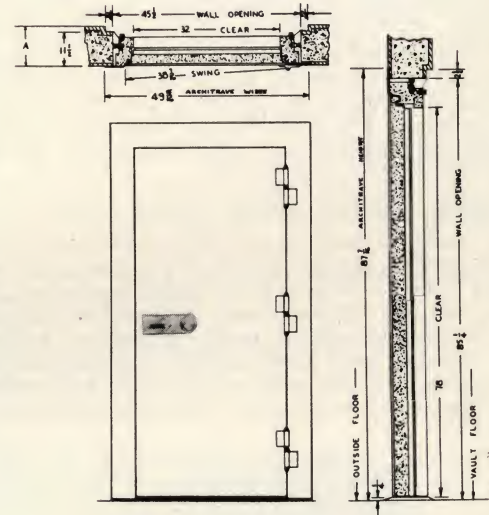
No. FS-32 and No. FS-1 File Storage Room Doors



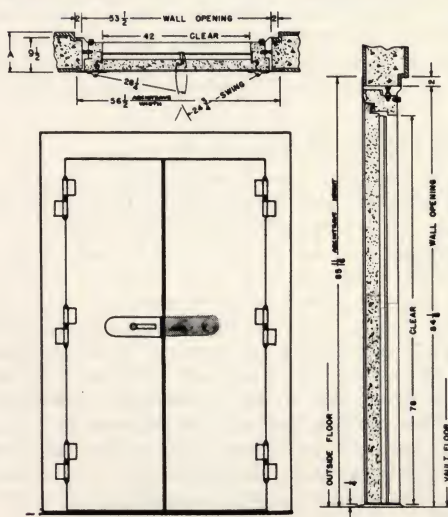
No. FS-2D-Vault Doors



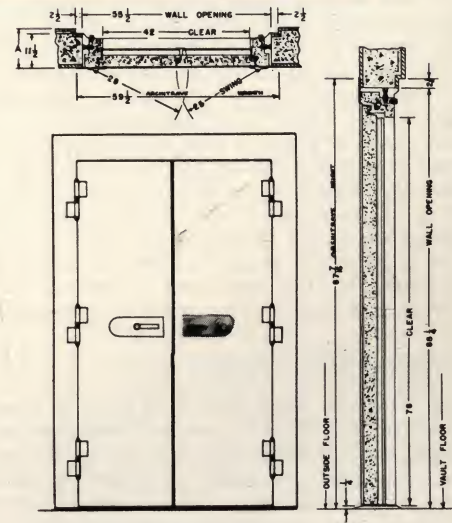
No. FS-2R and No. FS-4R Vault Doors



No. FS-6R Vault Door



No. FS-4D Vault Doors



No. FS-6D Vault Doors

HOW TO SPECIFY

6-HOUR DOOR (Model FS-6)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation. The hinges shall be on (*left or right*) side, when facing front of door from outside of vault. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. six-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for six-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 32" wide. The door shall have $\frac{3}{16}$ " outer door plate welded to jambs and shall be insulated with Monolithic fire-resistive material. Baffles in door designed to prevent penetration of heat. In addition, the door shall be equipped with at least $\frac{1}{2}$ " insulation over boltwork, mounted on fusible studs, thermostatically controlled, designed to automatically seal opening at door frame when temperature reaches approximately 165°F. The door shall be equipped with seven bolts, 1" in diameter, operating four to the front, two to the rear, and one to the top, with tenon and groove at top and front, and interlocking jamb at rear, checked by three-tumbler, Underwriters' Approved Group I Manipulation Resistant hand change combination lock, with spindle shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The door shall be finished in wrinkle gray (green), and chrome trim. Jambs smooth gray (green).

6-HOUR DOUBLE DOOR (Model FS-6D)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. six-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for six-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 42" wide. The door shall have $\frac{3}{16}$ " outer door plate welded to jambs and shall be insulated with Monolithic fire-resistive material. Baffles in door designed to prevent penetration of heat. In addition, the door shall be equipped with at least $\frac{1}{2}$ " insulation over boltwork, mounted on fusible studs, thermostatically controlled, designed to automatically seal opening at door frame when temperature reaches approximately 165°F. The RH door shall be equipped with seven bolts, 1" in diameter, operating four to the front, two to the rear, and one to the top, the L. H. door one top, one bottom, two back with tenon and groove at top and front, and interlocking jamb at rear, checked by three-tumbler, combination lock and approved by Underwriters' Laboratories, Inc., for manipulation resistance Group I with spindle-shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The door shall be finished in wrinkle gray (green), and chrome trim. Jambs smooth gray (green).

4-HOUR DOOR (Model FS-4)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation. The hinges shall be on (*left or right*) side, when facing front of door from outside of vault. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. four-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for four-

hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 32" wide. The door shall have $\frac{1}{8}$ " outer door plate welded to jambs and shall be insulated with Monolithic fire-resistive material. Baffles in door designed to prevent penetration of heat. In addition, the door shall be equipped with at least $\frac{1}{2}$ " insulation over bolt work, mounted on fusible studs, thermostatically controlled, designed to automatically seal opening at door frame when temperature reaches approximately 165°F. The door shall be equipped with five bolts, $\frac{3}{4}$ " in diameter, operating four to the front and one to the top, with tenon and groove at top and front, and interlocking jamb at rear, checked by three-tumbler, Underwriters' Approved Group I Manipulation Resistant hand change combination lock, with spindle shouldered against lock plate to prevent driving and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The door shall be finished in wrinkle gray (green); and chrome trim. Jambs smooth gray (green). The door and frame shall be installed after the masonry opening and plastering have been completed.

4-HOUR DOUBLE DOOR (Model FS-4D)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. four-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for four-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Vestibule shall be equipped with double outer doors giving clear opening 78" high by 42" wide. The doors shall have $\frac{1}{8}$ " outer door plates welded to the jambs and shall be insulated with Monolithic fire-resistive material. Baffles in doors designed to prevent penetration of heat. Right-hand door shall be equipped with six bolts, $\frac{3}{4}$ " in diameter, operating four to front and one to top and one to the bottom. Left-hand door, two bolts, $\frac{3}{4}$ " in diameter, operating one to top and one to bottom. Each door shall have tenon and groove at top and front, and interlocking jamb at rear. Bolts shall be checked by three-tumbler, combination lock and approved by Underwriters' Laboratories, Inc., for manipulation resistance Group I with spindle shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill-resisting plate. The doors shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The doors shall be finished in wrinkle gray (green), and chrome trim. Jambs smooth gray (green).

2-HOUR DOOR (Model FS-2)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation.

The hinges shall be on (*left or right*) side, when facing front of door from outside of vault. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. two-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for two-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 32" wide. The door shall have $\frac{1}{8}$ " outer door plate welded to jambs and shall be insulated with Monolithic fire-resistive material. Baffles in door designed to prevent penetration of heat. The door shall be equipped with five bolts, $\frac{3}{4}$ " in diameter, operating four to the front and one to the top, with interlocking tenon and groove at top and front, and interlocking

jamb at rear, checked by three-tumbler, Underwriters' Approved Group I Manipulation Resistant hand change combination lock with spindle shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The door shall be finished in wrinkle gray (green), and chrome trim. Jamb smooth gray (green). The door and frame shall be installed after the masonry opening and plastering have been completed.

2-HOUR DOUBLE DOOR (Model FS-2D)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive Vault Door(s) of the type which does not require grouting for installation. Door(s) shall bear the following labels: Underwriters' Laboratories, Inc. two-hour fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for two-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Vestibule shall be equipped with double outer doors giving clear opening 78" high by 42" wide. The doors shall have $\frac{1}{8}$ " outer door plates welded to the jambs and shall be insulated with Monolithic fire-resistive material. Baffles in doors designed to prevent penetration of heat. Right-hand door shall be equipped with five bolts, $\frac{3}{4}$ " in diameter, operating four to front and one to top. Left-hand door, two bolts, $\frac{3}{4}$ " in diameter, operating one to top and one to bottom. Each door shall have tenon and groove at top and front, and interlocking jamb at rear. Bolts shall be checked by three-tumbler, Underwriters' Approved Group I Manipulation Resistant hand change combination lock, with spindle shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{1}{4}$ " drill resisting plate. The doors shall be equipped with Emergency Escape Device,

having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The doors shall be finished in wrinkle gray (green), and chrome trim. Jamb smooth gray (green). The door and frame shall be installed after the masonry opening and plastering have been completed.

1-HOUR AND $\frac{1}{2}$ -HOUR DOORS (Models FS-1 and 32)

The contractor shall furnish and install (*quantity*) Mosler Insulated Flat Sill Fire-resistive File Storage Room Door(s) which does not require grouting with hinges on (*left or right*) side, when facing front of door from outside of file storage room. Door(s) shall bear the following labels; Underwriters' Laboratories, Inc. (*one-hour or one-half hour*) fire-resistive label; Underwriters' Laboratories, Inc. relocking device label; and Safe Manufacturers National Association label for (*one-hour or one-half hour*) door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 32" wide. The door shall be $2\frac{1}{8}$ " (for 1-hour door) 2" (for $\frac{1}{2}$ -hour door) thick, exclusive of handle and hinge projections, and have $\frac{1}{8}$ " outer door plate to which $\frac{1}{8}$ " Z angle sections shall be electrically welded to form bolt frames. The door shall be equipped with six bolts $\frac{3}{4}$ " in diameter, namely three live bolts at front and three interlocking bolts at rear, checked by three-tumbler, Underwriters' Approved Group I Manipulation Resistant hand change combination lock, with spindle shouldered against lock plate to prevent driving, and hard pin in spindle to prevent drilling. The entire locking mechanism to be guarded by $\frac{3}{8}$ " open-hearth steel and $\frac{1}{4}$ " drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the file storage room. The door shall be finished in wrinkle gray (wrinkle green optional), and chrome trim. The door and frame shall be installed after the masonry opening and plastering have been completed.

Day gate for daytime protection furnished at nominal extra cost. As an added protection feature, doors are so designed that both door and day gate may be closed and locked. It is not necessary to leave day gate open over night.

SUGGESTED MINIMUM THICKNESS OF WALLS FOR GROUND-SUPPORTED VAULTS

The following is a table of suggested minimum thicknesses of walls for various floors to take care of ordinary structural conditions and ordinary vault loads.

(The first line of the following table may be considered as the minimum thickness of walls for structural-supported vaults.)

KIND OF MATERIAL CLASS OF WALL FLOOR-COUNTING	THICKNESS OF WALL, IN.						
	REINFORCED CONCRETE			BRICK			HOLLOW CONCRETE MASONRY
FROM TOP DOWN	6 HR.	4 HR.	2 HR.	6 HR.	4 HR.	2 HR.	2 HR.
TOP	10	8	6	12	12	8	8
2ND FROM TOP	10	8	8	12	12	12	12
3RD FROM TOP	10	10	10	12	12	12	12
4TH FROM TOP	12*	10	10	16†	16†	16†	16†
5TH FROM TOP	12	12	12	16	16	16	16
6TH FROM TOP	12	12	12	16	16	16	16
7TH FROM TOP	12‡	12‡	12‡	16‡	16‡	16‡	16‡
8TH FROM TOP	12‡	12‡	12‡	16‡	16‡	16‡	16‡
9TH FROM TOP	12‡	12‡	12‡	16‡	16‡	16‡	16‡
10TH FROM TOP	14‡	12‡	12‡	16‡	16‡	16‡	16‡

*Thickness in panel construction may be 2 in. less.

‡Thickness in panel construction may be 4 in. less.

†These thicknesses apply to panel construction.

VAULTS

Example: For a four-story building, use thicknesses in first four lines of table, the fourth line designating the minimum thickness suggested for walls of the ground floor vault, the first line the minimum thickness for the walls of the top or fourth floor vault, etc.

Example: For an eight-story building, use thicknesses shown in first eight lines of table, the eighth line designating the minimum thickness suggested for walls of the ground floor vault, the first line the minimum thickness of walls (panel construction) for the top or eighth floor vault, etc.

VAULT FLOORS AND CEILINGS

Floor and ceiling of a vault shall be of a construction equivalent in strength and fire-resistance to the walls.

FILE STORAGE ROOMS

Thickness: To provide not only the necessary minimum resistance to fire and fire hose streams, but also to provide for structural considerations and variations in quality of materials and workmanship, walls shall not be less than 6 in. in thickness if of reinforced concrete, nor less than 8 in. if of brick or hollow concrete units.

Mosler

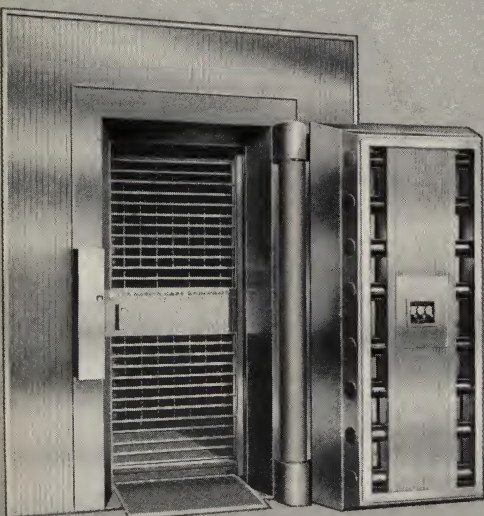
CENTURY BANK EQUIPMENT

The Mosler Century Series offers the perfect blend of traditional dignity and impregnability with the beauty of modern functional design. The wide range of architrave designs enables you to incorporate the vault into your overall architectural plan.

Century Vault Doors are available in 3½", 7", 10", 12" and 16" models. Circular doors are included in the Century Series.

Standard vault doors are produced in 1½", 3½", 7", 10", 12" and 16" thickness. Special size doors are available.

The open view (below) reveals the heavy bolts and intricate jeweled movements of the timelocks—features that fascinate most bank customers and give an added feeling of strength and security. The modern horizontal day-gate harmonizes with the vault door design and eliminates the old-style "jailhouse" or "cage" appearance.

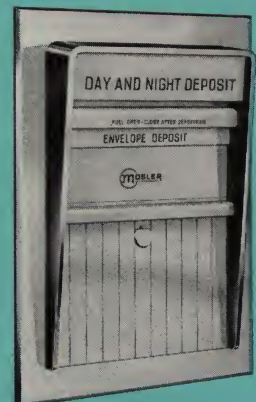


DUAL DEPOSITORY

Provides "round the clock" banking facilities for all customers. Protected slot for envelope deposits. Key-locked hopper permits bag deposits by commercial customers.

DELUXE TYPE

Available at slightly higher cost: Translucent letters are illuminated, in addition bag deposits trip switch causing light to flicker, indicating to depositor that bag has entered safe.



Mosler

DRIVE-IN WINDOWS

A completely new style in drive-in windows. This dramatically new picture window was designed after exhaustive studies of existing installations and hundreds of interviews with bank tellers and customers.

Only Mosler Drive-In Windows offer all these features:

1. Easy installation . . . just slide in the entire window and seal. Bolts adjust the window's depth from 8 to 14 inches to match wall thickness.
2. The new picture window's heavy gauge, stainless steel skirt extends to the ground, provides ample leg room, maximum security.
3. The new Mosler picture window handles vehicles of any size—from sports cars to trucks—comfortably.
4. Modular under counter equipment gives flexible storage below counter, plus ample work space and room for teller's machines.
5. New high fidelity intercom eliminates squeaks, echoes and squawks.
6. Redesigned electrically operated deposit drawer stops anywhere up to 14 inches. A pushbutton extends it further when required.



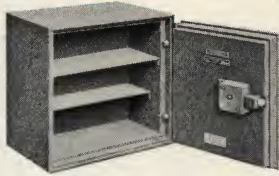
Mosler

WALL SAFES

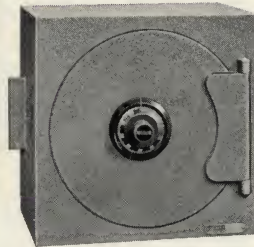
Ideal for installation in homes under construction. Also advantageous for multiple residences for convenient protection of valuables and papers against fire and sneak thievery.

Inside: 12 in. high, 12 in. wide, 5 in. deep, except for lock projection.

Outside 13 $\frac{3}{4}$ in. high, 13 $\frac{3}{4}$ in. wide, 7 in. deep, body. Highest quality combination lock with re-locking device for protection against mechanical or explosive attack.



NO. 125-S

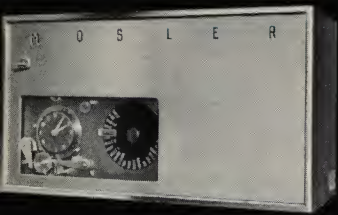


NO. 8

Inside: 11" high, 11" wide, 4 $\frac{3}{8}$ " deep, clear. Outside 12" high, 12" wide, 7" deep, body. Overall depth 8 $\frac{1}{4}$ ", clear door opening 9 $\frac{1}{2}$ ".

Mosler

BANK ALARMS



Central panel, located inside vault, controls the system. No need to turn the alarm on each night . . . with the Mosler Century Alarm you see it and forget it. If the alarm is activated the Control-Point Panel indicates the area that signalled the alarm.



Completely restyled outside bell housing. Blends with all styles of architecture. Stainless steel construction is weather-proof, maintenance free.

CONTROL-POINT PANEL

The Mosler Century Alarm is designed to give all-in-one protection to bank premises. The only alarm of its type to give full protection to the building, vault, night depository and any other key area.

The unique design of the system provides tremendous flexibility. When alarm requirements increase you can easily provide the additional coverage. The system can be installed in new construction or existing buildings.

For more detailed information contact your nearest Mosler office.

The **Mosler Safe** *Company*

WORLD'S LARGEST BUILDERS OF SAFES AND BANK VAULTS

320 Fifth Ave., New York 1, N. Y.—Factories: Hamilton, Ohio

BALTIMORE: 510-512 ST. PAUL PL. • BOSTON: 375 BOYLSTON ST. • BUFFALO: 224 DELAWARE AVE. • CHICAGO: 228 NORTH LASALLE ST.
PHILADELPHIA: 1503 WALNUT ST. • PITTSBURGH: UNION TRUST BLDG. • WASHINGTON, D. C.: 2461 WISCONSIN AVE., N. W.

ATLANTA • CINCINNATI • COVINGTON, KY. • DALLAS • DANBURY, CONN. • DENVER • DETROIT • HOUSTON • KANSAS CITY, MO.
LOS ANGELES • MINNEAPOLIS • NEW HAVEN, CONN. • NEW ORLEANS • PORTLAND, ORE. • ST. LOUIS • SAN FRANCISCO

and Principal Cities in the United States and Foreign Countries

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Carol J. Dyson, AIA